

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g. PTO/SB/17) *(Submit an original and a duplicate for fee processing.)*
2.  Applicant claims small entity status. See 37 CFR 1.27.
3.  Specification *[Total Pages 14]* *(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) *(35 U.S.C. 113)* *[Total Sheets 6]*
5. Declaration & Power of Attorney *[Total Pages 2]*
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d)) *(for continuation/divisional with Box 17 completed)*
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_  
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input type="checkbox"/> Customer Number or Bar Code Label	<i>(Insert Customer No. or Attach bar code label here)</i>			or	<input checked="" type="checkbox"/> Correspondence address below
Name	John S. Beulick				
Address	Armstrong Teasdale LLP One Metropolitan Square, Suite 2600				
City	St. Louis	State	MO	Zip Code	63102
Country	US	Telephone	314.621.5070	Fax	314.621.5065
Name (Print/Type)	Thomas M. Fisher	Registration No. (Attorney/Agent)			47,564
Signature	<i>Thomas M. Fisher</i>			Date	November 5, 2003

**Certificate of Express Mail**

I certify that the documents listed on this form are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Thomas M. Fisher	<i>Thomas M. Fisher</i>	November 5, 2003
(Printed Name of Person Mailing Correspondence)		(Signature of Person Mailing Correspondence)
		Date

22241 U.S. PTO  
10/701861  
10562

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# FEE TRANSMITTAL

## for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 856.00)

## Complaint if Known

Application Number	Not yet assigned
Filing Date	November 5, 2003
First Named Inventor	Phillip E. Koloff, et al.
Examiner Name	Not yet assigned
Art Unit	Not yet assigned
Attorney Docket No.	9D-HR-25403

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None
 Deposit Account:

Deposit Account Number  
01-2384

Deposit Account Name  
Armstrong Teasdale LLP

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments

Charge any additional fee(s) or any underpayment of fee(s)

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770.00
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)		(\$ 770.00)	

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	20	-20** =	0	x	0	=	0	Extra Claims	Fee from below	Fee Paid
Independent Claims	4	- 3** =	1	x	86	=	86			
Multiple Dependent					0	=	0			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 86.00)

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
1051 130	2051 65	1051 65	Surcharge - late filing fee or oath		
1052 50	2052 25	1052 25	Surcharge - late provisional filing fee or cover sheet		
1053 130	1053 130	1053 130	Non-English specification		
1812 2,520	1812 2,520	1812 2,520	For filing a request for ex parte reexamination		
1804 920*	1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action		
1805 1,840*	1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action		
1251 110	2251 55	1251 55	Extension for reply within first month		
1252 420	2252 210	1252 210	Extension for reply within second month		
1253 950	2253 475	1253 475	Extension for reply within third month		
1254 1,480	2254 740	1254 740	Extension for reply within fourth month		
1255 2,010	2255 1,005	1255 1,005	Extension for reply within fifth month		
1401 330	2401 165	1401 165	Notice of Appeal		
1402 330	2402 165	1402 165	Filing a brief in support of an appeal		
1403 290	2403 145	1403 145	Request for oral hearing		
1451 1,510	1451 1,510	1451 1,510	Petition to institute a public use proceeding		
1452 110	2452 55	1452 55	Petition to revive - unavoidable		
1453 1,330	2453 665	1453 665	Petition to revive - unintentional		
1501 1,330	2501 665	1501 665	Utility issue fee (or reissue)		
1502 480	2502 240	1502 240	Design issue fee		
1503 640	2503 320	1503 320	Plant issue fee		
1460 130	1460 130	1460 130	Petitions to the Commissioner		
1807 50	1807 50	1807 50	Processing fee under 37 CFR 1.17(q)		
1806 180	1806 180	1806 180	Submission of Information Disclosure Stmt		
8021 40	8021 40	8021 40	Recording each patent assignment per property (times number of properties)		
1809 770	2809 385	1809 385	Filing a submission after final rejection (37 CFR 1.129(a))		
1810 770	2810 385	1810 385	For each additional invention to be examined (37 CFR 1.129(b))		
1801 770	2801 385	1801 385	Request for Continued Examination (RCE)		
1802 900	1802 900	1802 900	Request for expedited examination of a design application		
Other fee (specify) _____					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3) (\$ 0)					

(Complete if applicable)

Name (Print/Type)	Thomas M. Fisher	Registration No. (Attorney/Agent)	47,564	Telephone	314-621-5070
Signature				Date	November 5, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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